

Process Safety Management

Need assistance? We can help.

Contek prides itself in providing a full range of services to assure that your critical operations comply with **OSHA's Process Safety Management (PSM)** requirements. Contek's experienced graduate engineers and technicians provide customized support to help you effectively manage new and existing PSM programs.

Contek's PSM Team delivers the following vital PSM services:

- Leadership of Process Hazard Reviews (HAZOP, Checklist, etc.)
- Development of employee & contractor safety programs and manuals
- Draft, review and verify P&IDs
- Write, update and revise operating, safety and emergency procedures
- Conduct customized PSM training
- Audit new and existing PSM programs and facilities to assure compliance

The image displays three overlapping screenshots of the HAZOP software interface. The top-left window, titled 'HAZOP Session Report', shows a 'HAZOP Risk Report (Example Facility)' with a table of nodes. The top-right window, 'HAZOP Node Information', shows details for Node 1, including its description 'Inlet Receiving' and associated deviations like 'High Pressure'. The bottom window, 'HAZOP Screen : Form', is the main data entry screen for 'Contek Solutions LLC' and 'HAZOP Plus+'. It features sections for 'Data Entry' (Enter Node Information, Enter HAZOP Analysis Data, Enter A Potential Problem Report, Enter Facility Siting Information) and 'Reports' (HAZOP Session Report, Risk Report - By Risk Level, Risk Report - By Node, PPRs, Questions Report). The interface includes navigation controls and a version number 'Ver 072009'.

Do you meet ALL of OSHA's 14 Point Process Safety Management requirements?

Here is how we have helped our clients do just that.

Contek sets-up comprehensive PSM program in record time:

- For a new client, Contek's PSM Team has just finished providing a complete Process Safety Management System for a new gas processing plant. The scope of work included the completion of all interconnect P&IDs; the PHA/HAZOP of all process equipment including slug catchers, compressors, amine treating unit, TEG unit, meter, drain system and the flare/vent system; utility drawings and area electrical classification. Contek also developed a complete operations manual and a PSM compliance manual, as well as delivered all the required operations training. Contek added a PSM program index and a PSM document control index to the manuals. This adds a level of management efficiency for the client.

Audits of OSHA PSM programs by Contek keeps plant in compliance:

- Numerous PSM clients trust Contek to carry out PSM Audits and provide them with valuable performance assessments within their existing PSM program, or to deliver improvement over their current compliance status. Contek uses in-house software to provide clients with an enhanced audit process and greatly improved reporting and corrective actions management. PSM audits are due every 3 years.

Contek revalidates PHAs to meet OSHA requirements:

- Contek regularly performs PHAs/HAZOPs for clients needing to upgrade or modify their PSM program due to changes in their operations. Those reviews are carried out by skilled technicians, graduate engineers and P.E.s, using an in-house software program, to deliver the same advantage cited above. Updates or revalidations are due every 5 years.

Work through the OSHA PSM Checklist  to see how your program is doing.

Contek Solutions LLC



Contek Solutions, LLC
6217 Chapel Hill Blvd
Suite 300
Plano, TX 75093

Phone 469-467-8296
Fax 469-467-8631
Contek@contekllc.com
www.contekllc.com

Do you meet ALL of OSHA's 14 Process Safety Management Requirements?

#	OSHA's PSM Requirements (29CFR1910.119)	<input checked="" type="checkbox"/>
1.	Do you develop and maintain written safety information identifying workplace chemical and process hazards, equipment used in the processes, and technology used in the processes?	<input type="checkbox"/>
2.	Have you performed a workplace hazard assessment, including, as appropriate, identification of potential sources of accidental releases, identification of any previous release within the facility that had a potential for catastrophic consequences in the workplace, estimation of workplace effects of a range of releases, and estimation of the health and safety effects of such on a range of employees?	<input type="checkbox"/>
3.	Do you consult employees and their representatives on developing and conducting hazard assessments and the development of chemical accident prevention plans and provide access to these and other records required under the PSM standard?	<input type="checkbox"/>
4.	Have you established a system to respond to the workplace hazard assessment findings, which shall address prevention, mitigation, and emergency responses?	<input type="checkbox"/>
5.	Have you reviewed workplace hazard assessment and response systems?	<input type="checkbox"/>
6.	Have you developed, implemented and maintained written operating procedures for the chemical processes, including procedures for each operating phase, operating limitations, and safety and health considerations?	<input type="checkbox"/>
7.	Have you provided written safety and operating information for employees and employee training in operating procedures, by emphasizing hazards and safe practices that must be developed and made available?	<input type="checkbox"/>
8.	How do you ensure contractors and contract employees are provided with appropriate information and training?	<input type="checkbox"/>
9.	Have you trained and educated employees and contractors in emergency response procedures in a manner as comprehensive and effective as that required by the regulation promulgated pursuant to section 126(d) of the Superfund Amendments and Reauthorization Act (HAZWOPER)?	<input type="checkbox"/>
10.	Do you have an established quality assurance program to ensure that initial process-related equipment, maintenance materials, and spare parts are fabricated and installed consistent with design specifications?	<input type="checkbox"/>
11.	Have you implemented maintenance systems for critical process-related equipment, including written procedures, employee training, appropriate inspections, and testing of such equipment to ensure ongoing mechanical integrity?	<input type="checkbox"/>
12.	Do you conduct and document pre-startup safety reviews of all newly installed or modified equipment?	<input type="checkbox"/>
13.	How do you establish and Implement written procedures managing change to process chemicals, technology, equipment and facilities?	<input type="checkbox"/>
14.	Are you prepared to investigate every incident that results in or could have resulted in a major accident in the workplace, with any findings to be reviewed by operating personnel and modifications made when appropriate?	<input type="checkbox"/>

**Ready to experience the confidence in your PSM program that Contek delivers?
Call Contek – Your 3rd Party Service Provider**

Contek Solutions LLC



Contek Solutions, LLC
6217 Chapel Hill Blvd
Suite 300
Plano, TX 75093

Phone 469-467-8296
Fax 469-467-8631
Contek@contekllc.com
www.contekllc.com